

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/002655

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 H01B 1/24, C08K 3/04, G12B 17/02, H05K 9/00**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C08K 3/38, H05K 9/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PAJ, E-KIPASS, E-SPACENET

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2002-290094 A (TORAY IND INC) 4 OCTOBER 2002 See claims 1-4	1
Y	See column 2 [0012]-column 5 [0028]	2-9
Y	US 6184280 B1 (MITSUBISHI MATERIALS CORPORATION) 6 FEBRUARY 2001 See patent abstract and claims	2-9
A	JP 2001-267782 A (SHIMADZU CORP) 28 SEPTEMBER 2001 See the whole document	1
A	KR 2003-19527 A (KIM KI-DONG) 6 MARCH 2003 See the whole document	1

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

25 FEBRUARY 2005 (25.02.2005)

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US6184280BA	06.02.2001	AU7334696A1	15.05.1997
		CA2235604AA	01.05.1997
		EP0857349A1	12.08.1998
		EP857349A1	12.08.1998
		JP9111135A2	28.04.1997
		JP09111135	28.04.1997
		KR1019990064112	26.07.1999
		US6184280B1	06.02.2001
		US06184280	06.02.2001
		WO9715934A1	01.05.1997